Serial No.: 08/545,707
Amendment dated December 9, 2005
Response to Final Office Action of: August 16, 2005
Atty. Docket No.: 93A007

LISTING OF CLAIMS

The submitted listing of claims will replace all prior versions, and listings, of claims in the application. All claims are listed with the status in parentheses immediately following the claim number.

1.   (Canceled)

2.   (Canceled)

3.   (Canceled)

4.   (Canceled)

5.   (Canceled)

6.   (Canceled)

7.   (Canceled)

8.   (Canceled)

9.   (Canceled)

10.   (Canceled)

11.   (Canceled)

12.   (Canceled)

13.   (Canceled)

14.   (Currently Amended) A supported inorganic layer comprising contiguous particles of a crystalline molecular sieve, the particles having a mean particle size within the range of from 20 nm to 1 µm, wherein the support is selected from the group

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consisting of glass, fused quartz, silica, silicon, clay, metal, porous glass, sintered porous metal, titania, and cordierite, and ~~A layer as claimed in claim 1,~~ wherein the particle size distribution is such that at least 95% of the particles have a size within ± 33% of the mean.

15.   (Canceled)

16.   (Currently Amended) A supported inorganic layer comprising contiguous particles of a crystalline molecular sieve, the particles having a mean particle size within the range of from 20 nm to 1 μm, wherein the support is selected from the group consisting of glass, fused quartz, silica, silicon, clay, metal, porous glass, sintered porous metal, titania, and cordierite, and ~~A layer as claimed in claim 1,~~ wherein the layer primarily contains nanopores having a size of between 1 and 10 nm.

17.   (Currently Amended) A supported inorganic layer comprising contiguous particles of a crystalline molecular sieve, the particles having a mean particle size within the range of from 20 nm to 1 μm, wherein the support is selected from the group consisting of glass, fused quartz, silica, silicon, clay, metal, porous glass, sintered porous metal, titania, and cordierite, and ~~A layer as claimed in claim 1,~~ wherein the layer primarily contains micropores having a size of between 0.2 and 1 nm.

18.   (Currently Amended) A supported inorganic layer comprising contiguous particles of a crystalline molecular sieve, the particles having a mean particle size within the range of from 20 nm to 1 μm, wherein the support is selected from the group consisting of glass, fused quartz, silica, silicon, clay, metal, porous glass, sintered porous metal, titania, and cordierite, and ~~A layer as claimed in claim 1,~~ wherein the layer comprises molecular sieve crystals in a particulate matrix, the pore structure being defined by the interstices between the particles, between the crystals, and between the particles and the crystals, the pore structure advantageously being between 0.2 and 1 nm in size.

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19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)

27. (Currently Amended) A supported inorganic layer comprising contiguous particles of a crystalline molecular sieve, the particles having a mean particle size within the range of from 20 nm to 1 μm, ~~whereas~~ wherein the layer primarily contains nanopores 1 and 10 nm.

28. (Currently Amended) A supported inorganic layer comprising contiguous particles of a crystalline molecular sieve, the particles having a mean particle size within the range of from 20 nm to 1 μm, wherein the layer primarily contains micropores having a size of between 0.2 and 1 nm.

29. (Previously Presented) A layer as claimed in claim 28, wherein the layer comprises molecular sieve crystals in a particular matrix, the pore structure being defined by the interstices between the particles, between the crystals, and between the particles and the crystals.